

ABSTRACT OF THE DISCLOSURE

An FM transmitter that can control start/idle of each of such devices as a buffer amplifier without using a sample-and-hold circuit for moving a PLL into open loop control, wherein a controller that controls a charging pump in the PLL to start/idle the FM modulation is controlled with use of a closed/open loop select signal of the PLL, a start/idle signal of the buffer amplifier, and a preamble detection signal. The power consumption of the FM transmission can be reduced, since both the buffer amplifier and the PLL in the FM transmitter can be started/idled together in a ganged manner.

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